

49032 to 49050—Continued.

- 49047.** *ROSA* sp. Rosaceæ. **Rose.**
 "No. 1140."
49048. *ROSA* sp. Rosaceæ. **Rose.**
 Variety *Catherine*.
49049. *ROSA* sp. Rosaceæ. **Rose.**
 "A *Rosa multiflora* hybrid." (*Alfred Rehder*.)
49050. *ULMUS* sp. Ulmaceæ. **Elm.**
 "Dwarf form."

49051 to 49123.

From Jamaica Plain, Mass. Plant material collected by Mr. H. E. Allanson in the Arnold Arboretum through the courtesy of Prof. Sargent, its director. Numbered December 31, 1919. Quoted notes by Mr. Allanson.

- 49051.** *AESCULUS TURBINATA* Blume. Æsculaceæ.

The hardy Chinese *Aesculus*, "Tochnoki," which attains a height of 40 feet. It is valuable as a shade tree. The seeds are used for food in Japan. (Adapted from *Mueller, Select Extra-Tropical Plants*, p. 22.)

- 49052.** *BERBERIS AMURENSIS* Rupr. Berberidaceæ. **Barberry.**

A very decorative ornamental with branches covered with drooping clusters of showy red fruits. (Adapted from *Bulletin of Popular Information, Arnold Arboretum*, No. 35, Oct. 25, 1912.)

- 49053.** *BERBERIS AMURENSIS JAPONICA* (Regal) Rehder. Berberidaceæ.
 (*B. sieboldii* Hort., not Miquel.) **Barberry.**

A stout compact shrub, indigenous to Japan, 3 to 4 feet in height, with pale-gray bark and dark-green, leathery, obovate leaves which turn in autumn to brilliant shades of scarlet and orange. The racemes of greenish yellow flowers and the scarlet berries resemble those of the common barberry. (Adapted from *Garden and Forest*, vol. 3, p. 248.)

- 49054.** *BERBERIS BRETSCHNEIDERI* Rehder. Berberidaceæ. **Barberry.**

An upright fast-growing shrub, 2 to 3 meters in height, found in the mountains near Peking, China. The small, pale-yellow flowers are borne in pendent racemes and are succeeded by racemes of purplish pear-shaped fruits. This shrub is hardy as far north as Massachusetts and is particularly ornamental in late autumn when the leaves change to brilliant shades of orange and scarlet. (Adapted from *Sargent, Trees and Shrubs*, vol. 2, p. 21, pl. 110.)

- 49055.** *BERBERIS CANADENSIS* Mill. Berberidaceæ. **Barberry.**

An ornamental of great decorative value. Its showy fruits are very ornamental in the house. (Adapted from *Bulletin of Popular Information, Arnold Arboretum*, No. 35, Nov. 7, 1912.)

- 49056.** *BERBERIS DICTYOPHYLLA* Franch. Berberidaceæ. **Barberry.**

This barberry was introduced from Yunnan many years ago, but it is not common nor grown to the extent it deserves. It forms a medium-sized shrub some 4 feet or so in height and is somewhat broad in proportion. The branches are erect when young, but become semiarching with age. The ovate leaves are borne in clusters of five at each node, each leaf being about half an inch long and having a few irregular teeth on the